**Day in the Life of the Hudson River 10/20/16 Data**

**RIVER MILE 3.2**

**Hudson River Pier #45, Manhattan**

**Susan Price, NYC Lab High School**

 **34 APES students, 3 adults**

**GPS coordinates: 40.738138, -74.010706**

**Location:** Christopher Street Pier at the southside end of the pier where the “gazebo” is at the foot of the pier

**Area:** Pier, Banks altered – bulkhead – mainly metal and wooden pier

**Surrounding Land Use:** 100% Hudson River Park with walkway, some planted areas

**Sampling Site:** Recreational pier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Air Temp.*** | ***Wind*** | ***Wind***  |
| ***Physical*** |   |  | ***Beaufort #*** | ***Anemometer*** |
| ***Air Temperature & Wind*** |  |  |  |  |
| Cloud Cover |  |  |  |  |
| Weather today | Some clouds  |
| Weather recently | No rain – dry stretch  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Water Temperature*** | AM  | 20°C  |  |  |
| ***Turbidity –site tube***  |  |  |  |  |
| ***Chemistry*** | ***Time*** | ***Sigma Test Strip*** | ***Color test match*** |  |
| *pH – Color test match and test* | NR |  |  |  |
| *Salinity –* | AMAM | 25 ppt25 ppt  | hydrometerrefractometer |
| *D.O. - CHEMets* | NR |  |  |  |
| *Nitrogen – API Saltwater Master Test Kit* | NR |  |  |  |
| ***Fish – pole***  | AMAM | 11 | American Eel Black Bass |  |
| **Tides** | NR |  |  |  |
| **Currents:** | NR |  |  |  |
|  |  |  |  |  |